



Surface Shield

Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
Date of issue: 10/20/2020 Revision date: 10/20/2020 Version: 1.0

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Surface Shield
Product Code: 16-SS
Product Type: Aerosol
Product Use: Rust Preventative/Lubricant

Manufacturer: The Blaster Corporation **Revision Date:** 10/20/2020
Address: 8500 Sweet Valley Drive **Emergency Phone:** ChemTel 800-255-3924
Valley View, Ohio 44125 **Phone:** (216) 901-5800

NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards.

2. Hazard Identification

Classification of substance or mixture:

Aerosols Category 1
Gases under pressure Liquefied Gas

Pictograms:



Signal Word: **Danger**

H222 Extremely Flammable aerosol
H280 Contains gas under pressure; may explode if heated
H320 Causes eye irritation, 2B

Precautionary Statements:

Prevention:
P102 Keep out of reach of children
P103 Read label before use



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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P264 Wash thoroughly after handling.

Response:

P302 + P350 If on Skin: Gently wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention

Storage:

P403 Store in a well ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

3. Composition information on ingredients

Ingredients	CAS #	Percent
Distillates (petroleum), Hydrotreated heavy naphthenic	64742-52-5	35-55%
Liquefied Petroleum Gas	68476-86-8	10-25 %
Petrolatum	8009-03-8	5-10%
Fatty Acids, lanolin	68424-43-1	1-10%
Wool Wax	8020-84-6	5-11%

4. First Aid Measures

Eye Contact:

Flush with warm water for 15 minutes. Seek medical attention if irritation persists

Skin Contact:

Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

Inhalation:

Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary.
Contact a physician.

Ingestion:

Do not induce vomiting. Get medical attention immediately. DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!

5. Fire Fighting Measures

Flash Point: Flash point of propellant <0 degrees F.



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Upper: 9.5 (VOL.) Gas in air (propellant portion)
Lower: 1.8 % (VOL.) Gas in air (propellant portion)

Extinguishing Media:

Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

Unusual Fire & Explosion Hazards:

This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures:

At elevated temperatures (over 130F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.

6. Accidental Release Measures

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

7. Handling and Storage

Handling:

Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers Do not incinerate



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Storage:

Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

8. Exposure Controls / Personal Protection

Protective Equipment:

Use synthetic gloves if necessary, to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls:

General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Respiratory Protection:

Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above 1000 ppm, an approved self-contained breathing apparatus or airline respirator with full face-piece is required

Other Suggested Equipment:

Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised:

We take no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Exposure guidelines:

Ingredients	CAS #	Percent	Exposure Limits
Liquefied Petroleum Gas	68476-86-8	5-30 %	OSHA (PEL) 1000 ppm ACGIH TLV 1000 ppm
Distillates (petroleum), Hydrotreated heavy naphthenic	64742-52-5	35-55%	ACGIH (TWA) 5 mg/m ³ OSHA (PEL) 5 mg/m ³

9. Physical and Chemical Properties

Appearance: Amber Brown as dispensed from aerosol can.

Odor: Light Cedar

Evaporation Rate: >1 (n-Butyl Acetate =1)

PH: NA

Melting/Freezing point: NE

Initial Boiling point and boiling range: NE

Flash Point: Flash point of propellant <0°F

Flammability: NA

Vapor pressure: >30 psi

Vapor density >1 (Air=1)



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Relative density NE

Partition coefficient: NE

Decomposition temperature: NE

Flammable limits in air, % by volume: (propellant portion)

Upper: 9.5%(vol) Gas in Air

Lower: 1.8% (vol) Gas in Air

Solubility: Insoluble in water

Auto-ignition temperature: NE

Viscosity: NA

10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Heat, spark, and open flame

Incompatibility: Strong-Oxidizing Agents

Hazardous Decomposition: Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.

Hazardous Polymerization: Will not occur

11. Toxicological Information

Component Toxicological Information:

Information on Toxicological Effects of Components

Propane

Target Organs: No systemic or neurotoxic effects were noted in rats exposed to concentrations of propane as high as 12,000 ppm for 28 days.

Reproductive Toxicity: No adverse reproductive or developmental effects were observed in rats exposed to propane; no observed adverse effect level = 12,000 ppm.

Isobutane

Target Organs: No systemic or neurotoxic effects were noted in rats exposed to concentrations of isobutane as high as 9,000 ppm for 28 days.

Reproductive Toxicity: No adverse developmental effects were observed in rats exposed to concentrations of isobutane as high as 9000 ppm. Fertility and mating indices may have been affected at 9000 ppm but no effects were observed at 3000 ppm

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5

Inhalation May be harmful if inhaled. However, this product does not currently meet the criteria for classification.

Skin contact Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact May be irritating to eyes.

Ingestion May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

Symptoms related to the physical, chemical and toxicological characteristics: Not available.

Information on toxicological effects Acute toxicity Not classified.

Skin corrosion/irritation Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.

Serious eye damage/eye irritation: Not classified.



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Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Non-mutagenic based on Modified Ames Assay.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

IARC Monographs. Overall Evaluation of Carcinogenicity Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens Not listed. Reproductive toxicity Contains no ingredient listed as toxic to reproduction Specific target organ toxicity - single exposure Not classified. Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not classified.

Chronic effects Prolonged or repeated contact may cause drying, cracking, or irritation of the skin.

Petrolatum 8009-03-8

No evidence of harmful effects from available information. LD 50 oral rat : > 5000 mg/kg

LD dermal rat > 2000 mg/kg Acute toxicity

Conclusion/Summary : Very low toxicity to humans or animals. Irritation/Corrosion

Skin : The mixture is not an irritant for the skin. Eyes : The mixture is not an irritant for eyes.

Respiratory : No inhalation irritancy studies have been performed on the mixture.

Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract. Sensitisation

Skin : No sensitization studies have been performed on the mixture. Based on the composition as indicated in section 3, it's not likely that the mixture will cause sensitisation by skin contact

Respiratory : No inhalation irritancy studies have been performed on the mixture. Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract.

Mutagenicity: Not applicable.

Carcinogenicity: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Reproductive toxicity: Not applicable.

Teratogenicity: Not applicable.

Specific target organ toxicity (single exposure): Not available. Specific target organ toxicity (repeated exposure): Not available. Aspiration hazard: Not available.

Lanolin Fatty Acids 68424-43-1 / Wool wax 8020-84-6

Acute toxicity: No data available

Skin corrosion/irritation: Unlikely to cause skin irritation. Serious eye damage/eye irritation: May irritate eyes.

Respiratory or skin sensitization: No data available Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available STOT-single exposure: No data available STOT-repeated exposure: No data available

Aspiration toxicity: No data available

Calcium Organic Mixture Confidential

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):

Eye contact, Skin contact, Inhalation of mist, Symptoms related to the physical, chemical and toxicological characteristics: No data available Delayed and Immediate Effects:



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Ingestion Toxicity: Estimated to be >5.0 g/Kg; practically non-toxic Skin Contact: Can cause minor skin irritation, defatting, and dermatitis. Inhalation Toxicity: No data available
Eye Contact: Mild eye irritant. Sensitization: None known Mutagenicity: No data
Reproductive and Developmental Toxicity: No data available
Carcinogenicity: There are no carcinogenic ingredients present at or over 0.1%. STOT-single exposure: No data available
STOT-repeated exposure: No data available
Aspiration toxicity: No data available

12. Ecological Information

Toxicity: Petroleum gases will readily evaporate from the surface and would not be expected to have significant adverse effects in the aquatic environment. Classification: No classified hazards.

13. Disposal Considerations

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

14. Transport Information

Aerosols (limited quantity),
Class 2.1, ERG 126

AIR (IATA)
Aerosols (limited quantity),
Class 2.1, ERG 126, UN No. 1950

Vessel
Aerosol (Limited Quantity), Class 2.1, UN No 1950

15. Regulatory Information

Environmental Regulations

SARA 302/304: None



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SARA 311/312:

Immediate (x) Delayed () Fire (x) Reactive () Sudden Release of Pressure (x)

Section 313

None

California Prop. 65: None

All the chemicals used in this product are TSCA listed.
Check with your local regulators to be sure all local regulations are met.

16. Other Information

Hazard ratings This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA: Level 3 Aerosol

HMIS: Health: 1 Flammability: 4 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

Note:

The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.